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CITED BY APPLICANT WITH THIS PAGE
(6/13/2002)

Page 9 of 9

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1530.0180002/EK8/EJH	APPLICATION NO. 09/839,574
		APPLICANT Manthorpe et al.	
		FILING DATE 04/23/2001	GROUP 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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						Yes
AL						No
AM						Yes
AN						No
AO						Yes
AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PS	AR	2	Wells, D.J. et al., "Evaluation of Plasmid DNA for in Vivo Gene Therapy: Factors Affecting the Number of Transfected Fibers," <i>Journal of Pharmaceutical Sciences</i> 87:763-768, American Chemical Society and American Pharmaceutical Association (1998).
PS	AS	2	Wheeler, C.J. et al., "A novel cationic lipid greatly enhances plasmid DNA delivery and expression in mouse lung," <i>Proc. Natl. Acad. Sci. USA</i> 93:11454-11459, National Academy of Sciences (1996).
	AT	2	Pending Non-Provisional United States Patent Application No. 694557,907, Morton et al., filed April 21, 2000.

EXAMINER	<i>W. Ge</i>	DATE CONSIDERED
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O I P E . S C I E S
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FORM 1449-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1530.0180002/EKS/EJH

APPLICATION NO.
09/839,514

APPLICANT
Manthorpe et al.

FILING DATE
04/23/2001

GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	5,470,568	11/28/1995	Lee	424	78.02	02/13/1992
	AB1	5,580,859	12/03/1996	Felgner et al.	514	44	03/18/1994
	AC1	5,589,466	12/31/1996	Felgner et al.	514	44	01/26/1995
	AD1	5,703,055	12/30/1997	Felgner et al.	514	44	01/26/1994
	AE1	5,855,913	01/05/1999	Hanes et al.	424	489	01/16/1997
	AF1	5,883,103	03/16/1999	Burnside et al.	514	262	06/07/1995
	AG1	5,885,590	03/23/1999	Hunter et al.	424	280.1	01/20/1995
	AH1	5,897,876	04/27/1999	Rudnic et al.	424	455	06/20/1997
	AI1	5,952,004	09/14/1999	Rudnic et al.	424	455	08/28/1995
	AJ1	5,962,428	10/05/1999	Carrano et al.	514	44	09/16/1996
	AK1	5,985,309	11/16/1999	Edwards et al.	424	426	11/17/1997

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	WO 99/26663	06/03/1999	WIPO			Yes
		A2					No
	AM1	WO 99/64615	12/16/1999	WIPO			Yes
		A1					No
	AN1	WO 00/40273	07/13/2000	WIPO			Yes
		A2					No
	AO1	WO 00/40273	07/13/2000	WIPO			Yes
		A3					No
	AP1	WO 01/09303	02/08/2001	WIPO			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Adams-Graves et al., "RheothRx (poloxamer 188) injection for the acute painful episode of sickle cell disease: a pilot study," <i>Blood</i> 90:2041-2046, American Society for Hematology, W. B. Saunders Co. (1997).
AS	1	Anwer, K. et al., "Synergistic effect of formulated plasmid and needle-free injection for genetic vaccines," <i>Pharm. Res.</i> 16:889-895, American Association of Pharmaceutical Scientists (June 1999).
AT	1	Baranov, A. et al., "Local and distant transfection of mdx muscle fibers with dystrophin and LacZ genes delivered in vivo by synthetic microspheres," <i>Gene Ther.</i> 6:1406-1414, Stockton Press (Aug 1999).

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09/836,574

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1530.0180002/EKS/EJH	APPLICATION NO. 09/836,574
		APPLICANT Manthorpe et al.	
		FILING DATE 04/23/2001	GROUP 1646

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA2		5,994,314	11/30/1999	Eljamal et al.	514	44	04/14/1995
AB		6,214,804 B1	04/10/2001	Felgner et al.	514	44	06/07/1995
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AP							Yes No

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AR	2	Bertling, W.M. et al., "Use of liposomes, viral capsids, and nanoparticles as DNA carriers," <i>Biotechnol. Appl. Biochem.</i> 13:390-405, Portland Press Limited (1991).
AS	2	Boussif, O. et al., "A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: polyethylenimine," <i>Proc. Natl. Acad. Sci. USA</i> 92:7297-7301, National Academy of Sciences (1995).
AT	2	Cho, C.-W. et al., "Improvement of receptor-mediated gene delivery to HepG2 cells using an amphiphilic gelling agent," <i>Biotechnol. Appl. Biochem.</i> 32:21-26, Portland Press Limited (August 2000).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Doh, S.G. et al., "Spatial-temporal patterns of gene expression in mouse skeletal muscle after injection of lacZ plasmid DNA," <i>Gene Ther.</i> 4:648-663, Stockton Press (1997).
	AS	3	Freeman, D.J. and Niven, R.W., "The influence of sodium glycocholate and other additives on the in vivo transfection of plasmid DNA in the lungs," <i>Pharm. Res.</i> 13:202-209, American Association of Pharmaceutical Scientists (1996).
	AT	3	Kariko, K. et al., "Phosphate-enhanced transfection of cationic lipid-complexed mRNA and plasmid DNA," <i>Biochim. Biophys. Acta.</i> 1369:320-334, Elsevier Science Ltd. (1998).

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AR	4	Kichler, A. et al., "Influence of the DNA complexation medium on the transfection efficiency of lipospermine/DNA particles," <i>Gene Ther.</i> 5:855-860, Stockton Press (1998).
AS	4	Lee, R. et al., "Surfactant-induced sealing of electroporabilized skeletal muscle membranes <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89:4524-4528, National Academy of Sciences (1992).
AT	4	Lemieux, P. et al., "A Combination of Poloxamers Increases and Prolongs Gene Expression of Plasmid DNA in Skeletal Muscle," Abstracts Presented at the Seventh Meeting of the European Society of Gene Therapy. Munich, Germany, November 26-28 1999.

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FILING DATE 04/23/2001					GROUP 1646		
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	AR	5	Lemieux, P. et al., "A combination of poloxamers increases gene expression of plasmid DNA in skeletal muscle," <i>Gene Ther.</i> 7:986-991, Stockton Press (June 2000).				
	AS	5	Leong, K.W. et al., "DNA-polycation nanospheres as non-viral gene delivery vehicles," <i>J. Control. Release</i> 53:183-93, Elsevier Science B.V. (1998).				
	AT	5	Liu, F. et al., "Effect of Non-Ionic Surfactants on the Formation of DNA/Emulsion Complexes and Emulsion-Mediated Gene Transfer," <i>Pharmaceutical Research</i> 13:1642-1646, Plenum Publishing Corporation (1996).				
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AR	6	Lunsford, L. et al., "Tissue distribution and persistence in mice of plasmid DNA encapsulated in a PLGA-based microsphere delivery vehicle," <i>J. Drug Target</i> . 8:39-50, Gordon and Breach Publishing Group (November 2000).
AS	6	Mumper, R.J. et al., "Protective interactive noncondensing (PINC) polymers for enhanced plasmid distribution and expression in rat skeletal muscle," <i>J. Control. Release</i> 52:191-203, Elsevier Science B.V. (1998).
AT	6	Mumper, R.J. et al., "Polyvinyl derivatives as novel interactive polymers for controlled gene delivery to muscle," <i>Pharm. Res.</i> 13:701-709, American Association of Pharmaceutical Scientists (1996).

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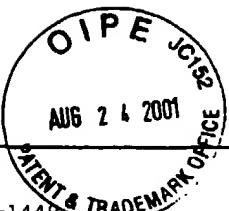
AR	7	O'Keefe et al., "Poloxamer-188 as an adjunct to primary percutaneous transluminal coronary angioplasty for acute myocardial infarction," Am. J. Cardiol. 78:747-750, Elsevier Science Ltd. (1996).
AS	7	Orson, F.M. et al., "Genetic immunization with lung-targeting macroaggregated polyethyleneimine-albumin conjugates elicits combined systemic and mucosal immune responses," J. Immunol. 164:6313-6321, American Association of Immunologists (June 2000).
AT	7	Raczka, E. et al., "The effect of synthetic surfactant Exosurf on gene transfer in mouse lung in vivo," Gene Ther. 5:1333-1339, Stockton Press (1998).

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AR	8	Sawa, T. et al., "Intraluminal water increases expression of plasmid DNA in rat lung," <i>Hum. Gene Ther.</i> 7:933-941, Mary Ann Liebert, Inc. (1996).
AS	8	Shi, N.Y. et al., "Noninvasive gene targeting to the brain," <i>Proc. Natl. Acad. Sci. USA</i> 97:7567-7572, National Academy of Sciences (June 2000).
AT	8	Turunen, M.P. et al., "Efficient adventitial gene delivery to rabbit carotid artery with cationic polymer-plasmid complexes," <i>Gene Ther.</i> 6:6-11, Stockton Press (January 1999).

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Electronic Information Disclosure Statement

Compositions and Methods for in vivo Delivery of Polynucleotide-Based Therapeutics

Application:



09/839574

Confirmation:

1437

Applicant(s):

Marston Manthorpe

Docket Number:

1530.0180002

Group Art Unit:

Schnizer, R.A.

Examiner:

(5656611 or 6086899 or 6149922).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
12	P01	5656611	1997-08-12		Kabanov et al.		
12	P02	6086899	2000-07-11		Balasubramanian et al.		
12	P03	6149922	2000-11-21		Balasubramanian et al.		

5/27/04